

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052319\
 Data File : VU032261.D
 Acq On : 23 May 2019 10:39
 Operator : JC/SP
 Sample : K3001-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF2

Quant Time: May 24 01:58:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 24 01:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	370862	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	377054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	153805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111336	5.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.00%
7) Chloroethane-d5	1.68	69	96585	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.27	63	179419	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.19	46	227881	38.79	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.58%
24) Chloroform-d	4.64	84	210155	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.31	65	106062	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
32) Benzene-d6	5.33	84	434520	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.32	67	125645	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.20%
41) Toluene-d8	7.56	98	359433	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
43) trans-1,3-Dichloropropene-	7.85	79	43006	3.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.40%
46) 2-Hexanone-d5	8.31	63	192762	38.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102607	2.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	59.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	135578	3.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.00%#

Target Compounds

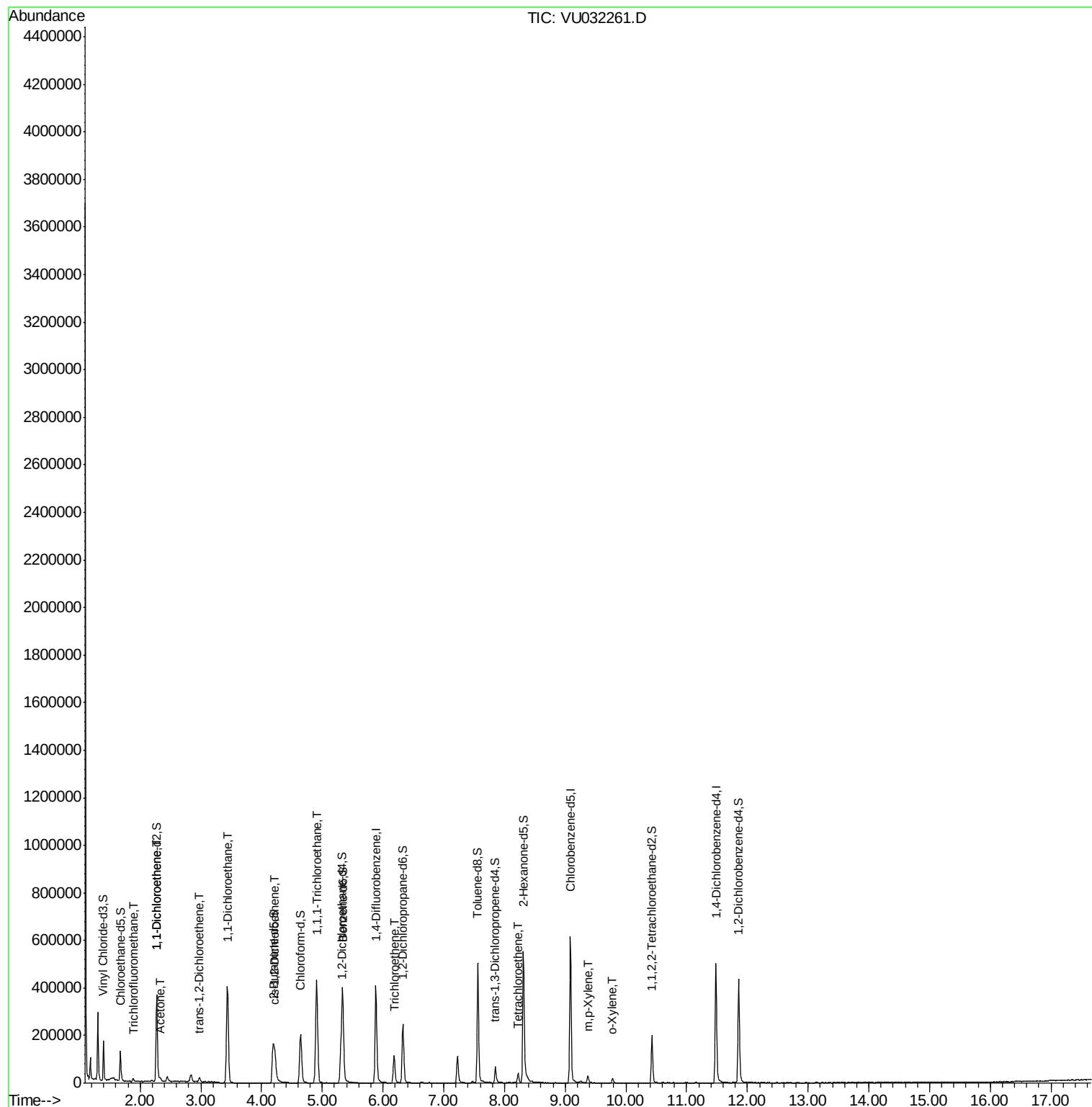
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	5963	0.287	ug/L	96
12) 1,1-Dichloroethene	2.28	96	42744	3.239	ug/L	80
13) Acetone	2.32	43	11090	6.093	ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	7418	0.524	ug/L	86
19) 1,1-Dichloroethane	3.44	63	436053	19.930	ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	52578	3.802	ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	345962	17.678	ug/L	97
34) Trichloroethene	6.18	95	41932	3.063	ug/L	91
47) Tetrachloroethene	8.22	164	10449	0.925	ug/L	95
53) m,p-Xylene	9.37	106	10719	0.528	ug/L	81
54) o-Xylene	9.78	106	4936	0.244	ug/L	86

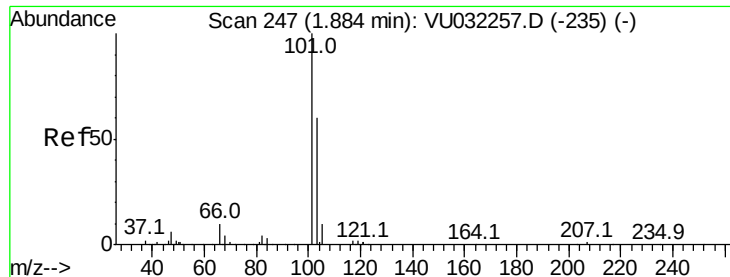
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 0.287 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

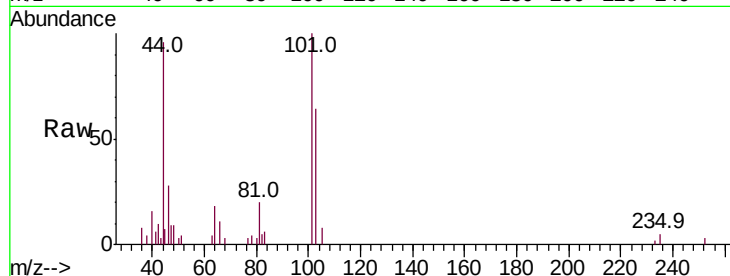
E3YF2

Tot Ion:101 Resp: 5963

Ion Ratio Lower Upper

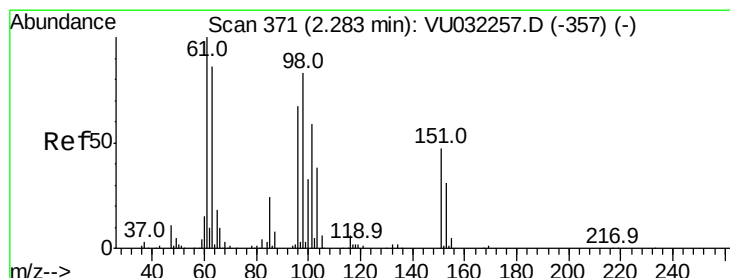
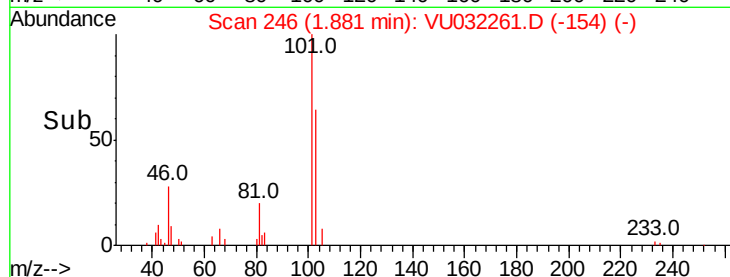
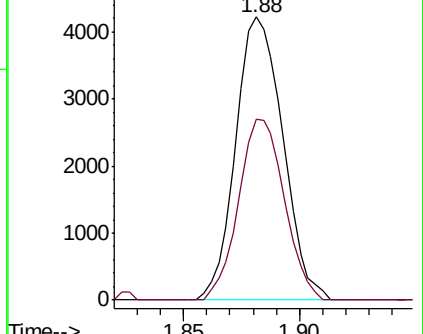
101 100

103 62.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 3.239 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

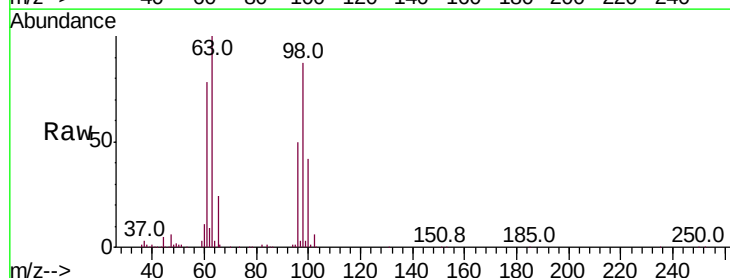
Tgt Ion: 96 Resp: 42744

Ion Ratio Lower Upper

96 100

61 156.3 113.8 211.3

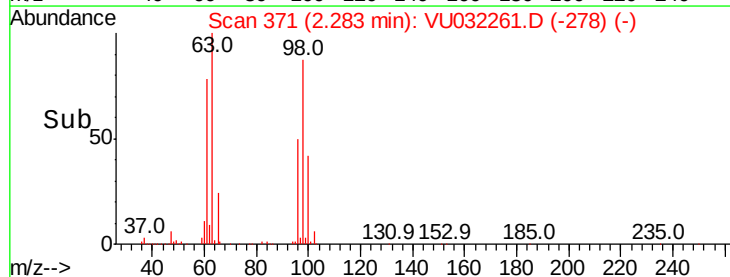
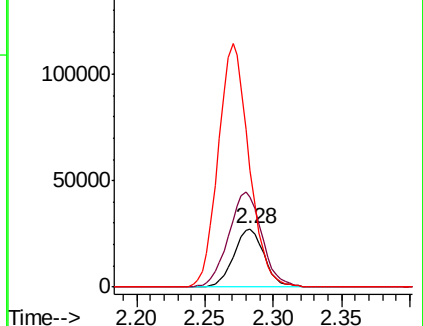
63 201.6 108.8 202.2

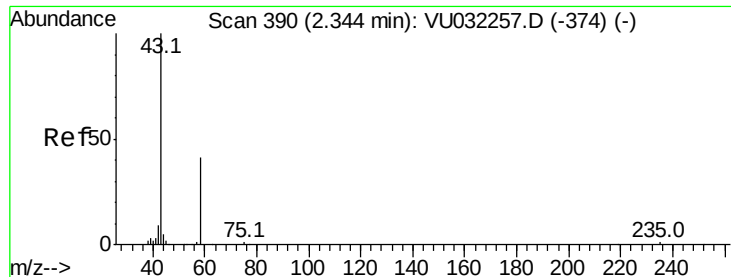


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.093 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

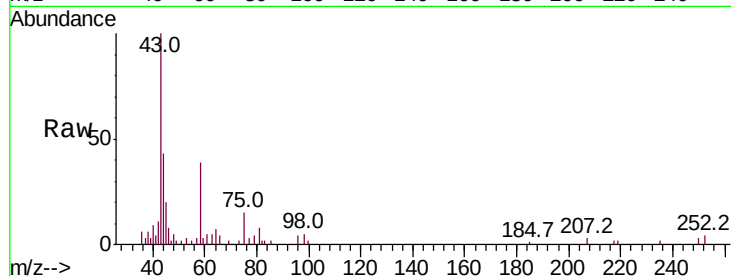
E3YF2

Tot Ion: 43 Resp: 11090

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032257.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032257.D (-374) (-)

2.32

6000

4000

2000

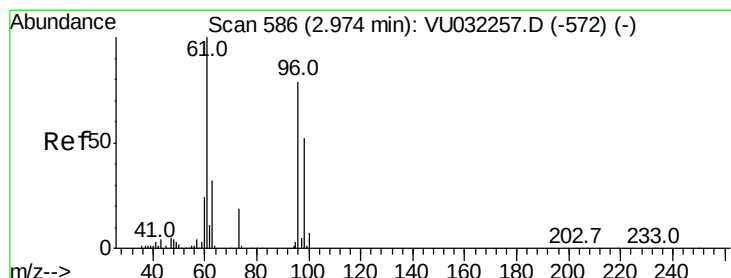
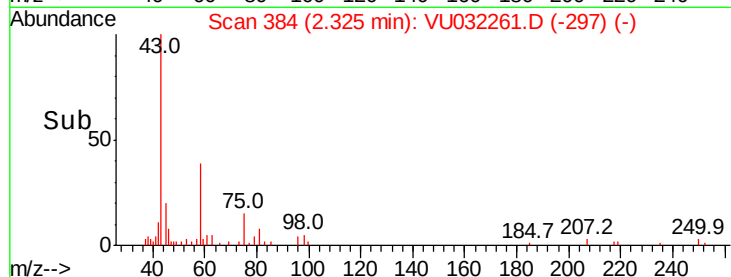
0

Time-->

2.25

2.30

2.35



#18

trans-1,2-Dichloroethene

Concen: 0.524 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

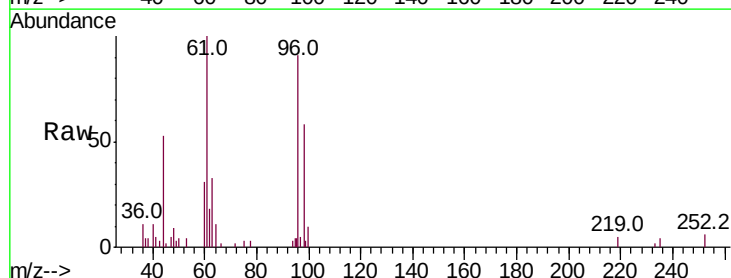
Tgt Ion: 96 Resp: 7418

Ion Ratio Lower Upper

96 100

61 109.8 90.6 168.3

98 63.8 49.5 91.9



Abundance Ion 96.00 (95.70 to 96.70): VU032257.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU032257.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU032257.D (-572) (-)

2.97

6000

5000

4000

3000

2000

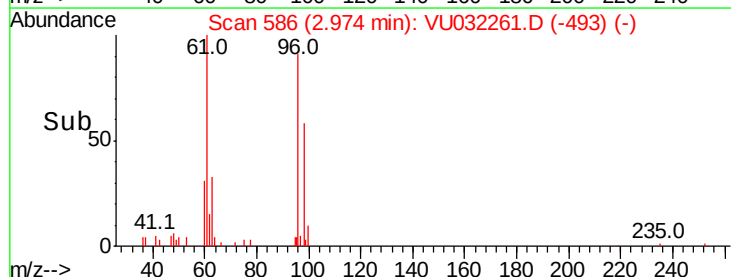
1000

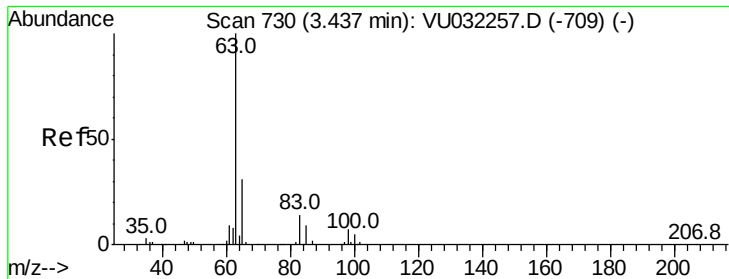
0

Time-->

2.95

3.00





#19

1,1-Dichloroethane

Concen: 19.930 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

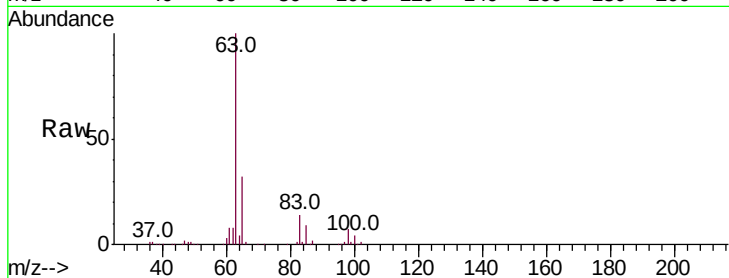
Tot Ion: 63 Resp: 436053

Ion Ratio Lower Upper

63 100

65 31.9 23.5 43.7

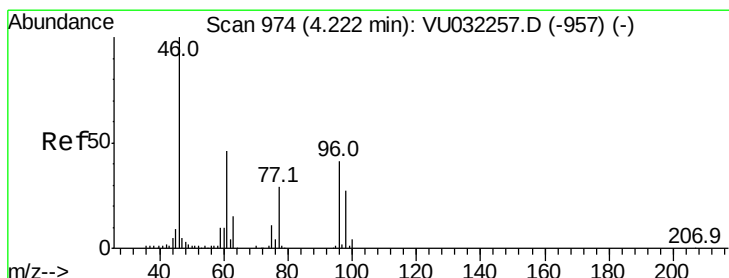
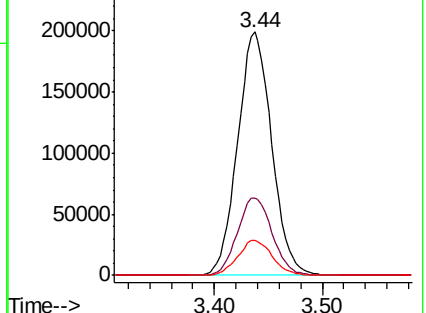
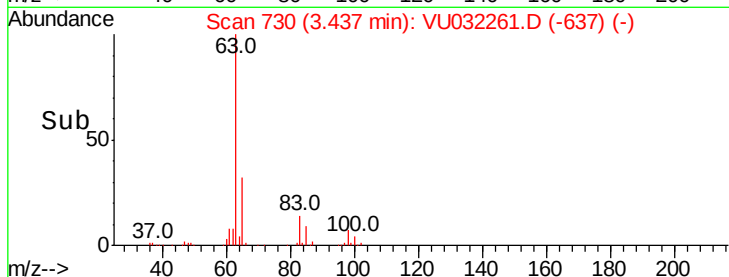
83 14.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU032261.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU032261.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU032261.D (-637) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.802 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

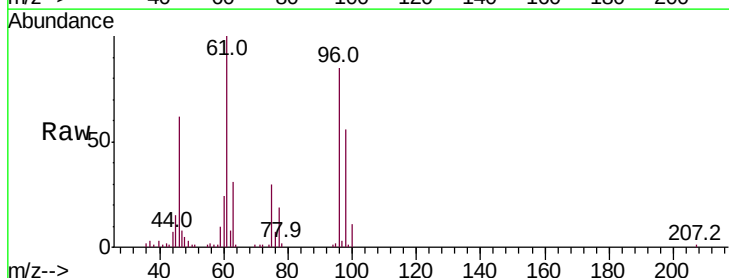
Tgt Ion: 96 Resp: 52578

Ion Ratio Lower Upper

96 100

61 117.8 82.5 153.1

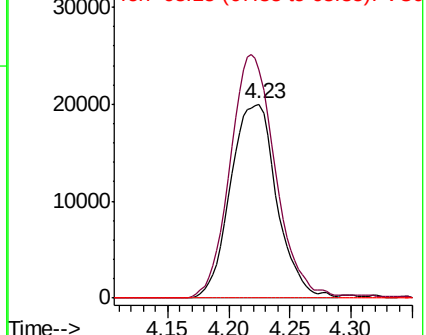
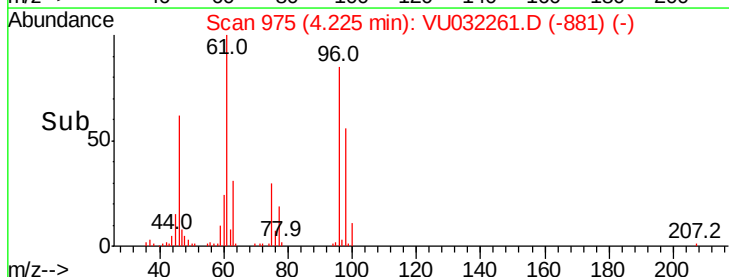
68 0.0 0.0 0.0

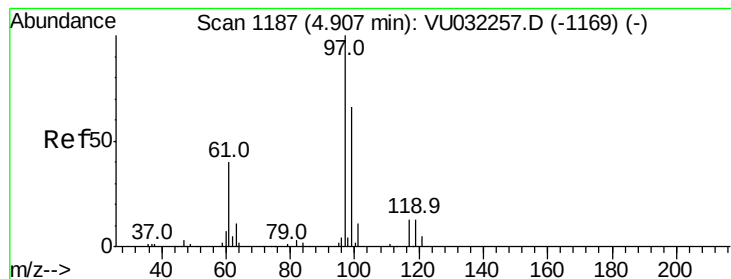


Abundance Ion 96.00 (95.70 to 96.70): VU032261.D (-881) (-)

Ion 61.05 (60.75 to 61.75): VU032261.D (-881) (-)

Ion 68.15 (67.85 to 68.85): VU032261.D (-881) (-)





#29

1,1,1-Trichloroethane

Concen: 17.678 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

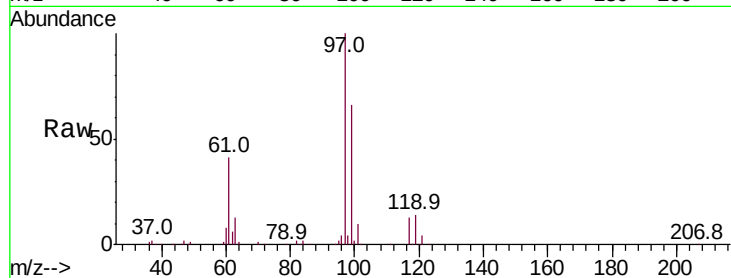
Tot Ion: 97 Resp: 345962

Ion Ratio Lower Upper

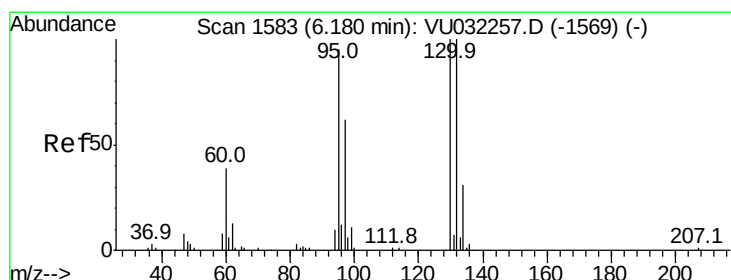
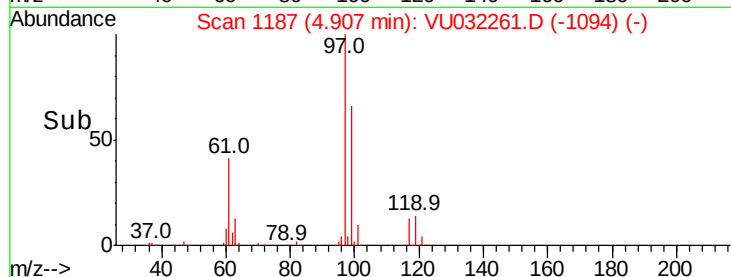
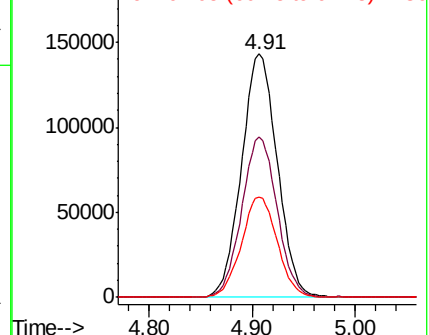
97 100

99 65.2 50.3 75.5

61 41.4 34.1 51.1



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 3.063 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Tgt Ion: 95 Resp: 41932

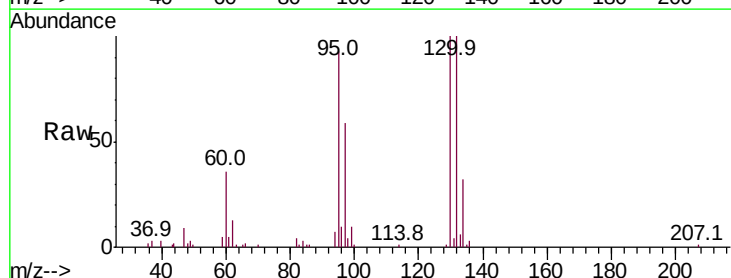
Ion Ratio Lower Upper

95 100

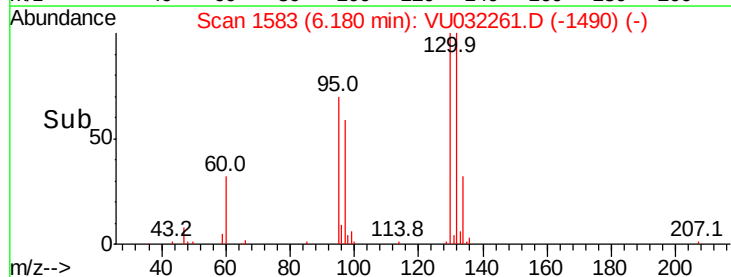
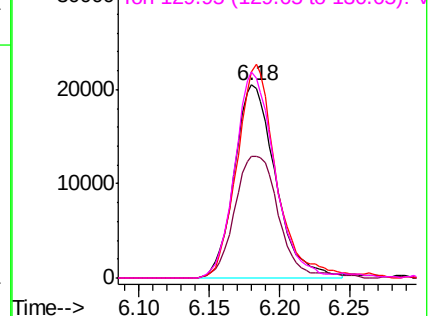
97 63.3 39.9 74.1

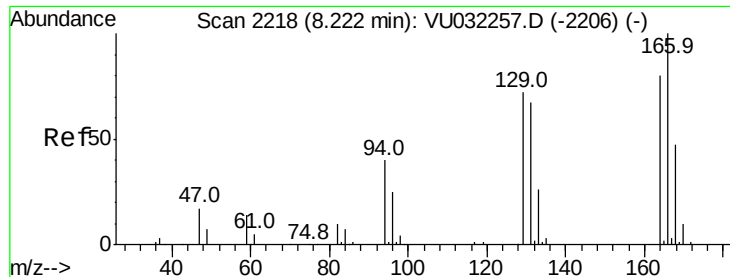
132 107.2 65.9 122.5

130 107.2 70.6 131.2



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 0.925 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032261.D

Acq: 23 May 2019 10:39

Instrument :

MSVOA_U

ClientSampleId :

E3YF2

Tot Ion:164 Resp: 10449

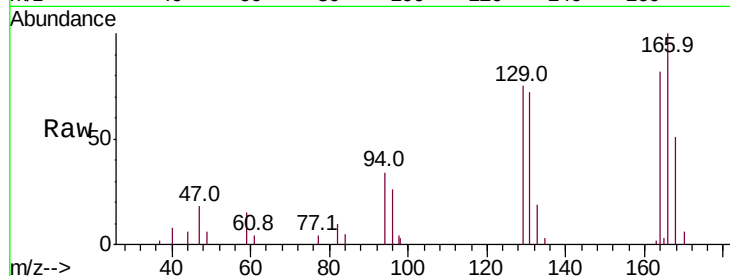
Ion Ratio Lower Upper

164 100

129 90.7 67.1 124.7

131 87.0 62.2 115.4

166 121.6 90.9 168.9

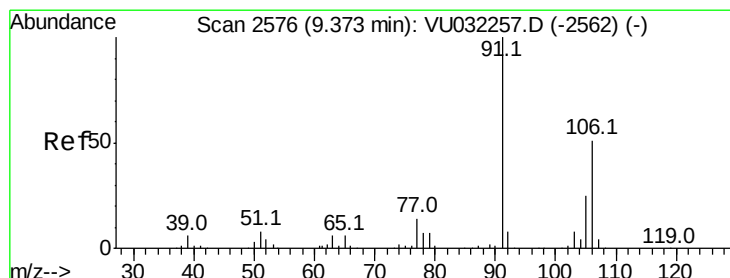
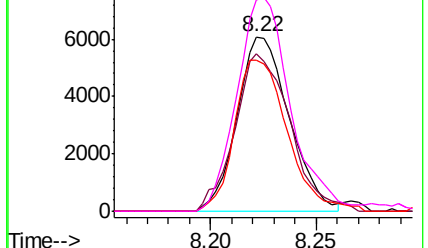
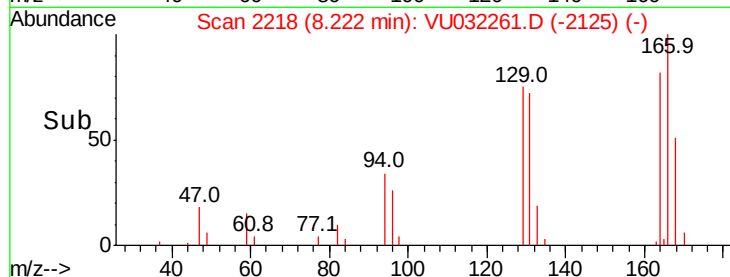


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

m,p-Xylene

Concen: 0.528 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032261.D

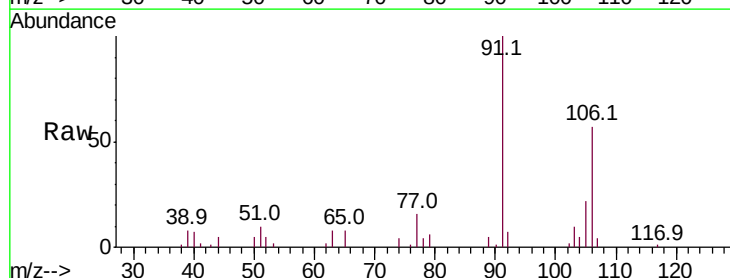
Acq: 23 May 2019 10:39

Tgt Ion:106 Resp: 10719

Ion Ratio Lower Upper

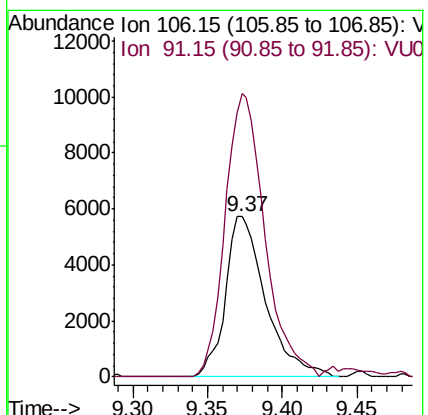
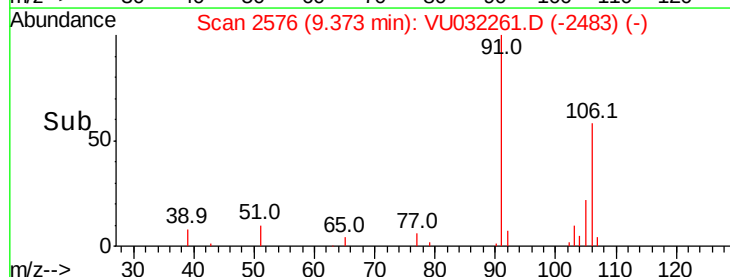
106 100

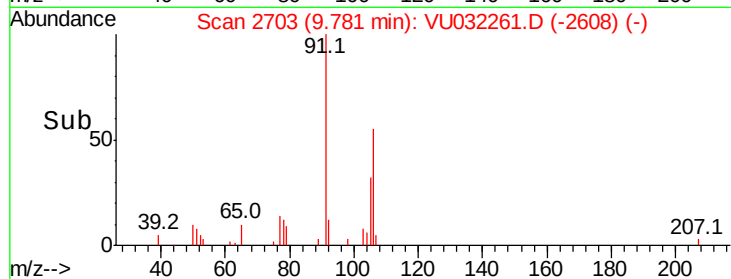
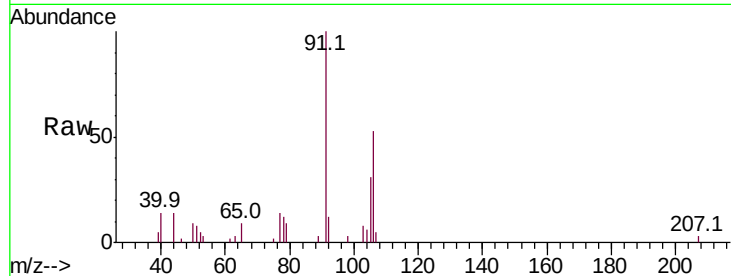
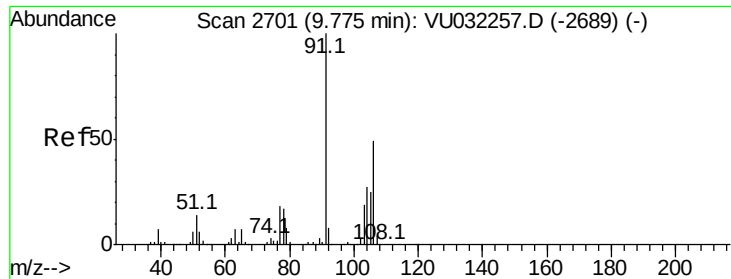
91 176.5 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54
 o-Xylene
 Concen: 0.244 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.01 min
 Lab File: VU032261.D
 Acq: 23 May 2019 10:39

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF2

Tot Ion:106 Resp: 4936
 Ion Ratio Lower Upper
 106 100
 91 189.0 147.8 274.4

